Index of Claims

Application/Control No.

Applicant(s)/Patent under Reexamination

10/719,782

Examiner

COUCH ET AL.

Art Unit

Robert A. Hopkins

1724

| 1 | Rejected |
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|   | Allowed  |

(Through numeral)
Cancelled

Restricted

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| Cla          | aim      |            |          |              | D       | ate      |           |         |                                     | Cla         | im       |                 |          |          | D        | ate      |         |         |          | Cla           | aim_         |          |          |               | C         | ate       |          |          | _        |          |
|--------------|----------|------------|----------|--------------|---------|----------|-----------|---------|-------------------------------------|-------------|----------|-----------------|----------|----------|----------|----------|---------|---------|----------|---------------|--------------|----------|----------|---------------|-----------|-----------|----------|----------|----------|----------|
|              | =        |            |          | Т            | T       |          |           |         |                                     |             | -        |                 |          |          |          |          |         |         |          |               | <del>-</del> | ı        |          |               |           |           |          |          |          |          |
| Final        | Original | 5/9/9      | - [      |              |         |          |           |         |                                     | Final       | Original |                 | i        | .        |          |          |         |         | 1 1      | Final         | Original     |          |          |               |           |           | ٠        |          | ł        | ı        |
| 证            | [ 꽃      | 5/6        |          |              |         |          | -         |         |                                     | 這           | Ĭ,       |                 |          |          | 1        |          | .       |         |          | 匠             | ξ            |          |          |               |           |           |          |          |          |          |
|              | U        |            |          |              | L       |          |           |         |                                     |             |          | Ш               | $\Box$   |          |          |          |         |         | $\perp$  |               |              |          |          |               |           |           |          | _        | _        |          |
|              | 1_       | 1          |          |              |         |          | $\perp$   |         |                                     |             | 51       |                 | $\perp$  | _1       | $\perp$  | _        | ┙       | $\perp$ |          |               | 101          |          |          |               |           |           | _        | 4        | _        |          |
|              | 2        | 4          | $\perp$  |              |         |          | L         |         |                                     |             | 52       |                 | $\perp$  | $\Box$   | $\perp$  | $\perp$  | $\perp$ |         | $\perp$  |               | 102          |          |          |               |           |           |          | _        | _        |          |
|              | 3        | 1          | _        |              | ┵       |          | ┸         |         | $\sqcup$                            |             | 53       | Ш               | _        | _        | _        | _        | $\perp$ | 4       |          |               | 103          |          |          |               |           | _         |          | _        | _        |          |
|              | 4        | 4          | $\perp$  |              | 1       |          | ┸         | 1_      |                                     |             | 54       | Щ               | _        | _        | _        | _        | _       | +       | $\perp$  |               | 104          |          |          | _             |           | _         | _        | _        | 4        | _        |
| L            | 5        | V          |          | 4            | 4       |          | ┸         | 1       |                                     |             | 55       | Щ               | _        | 4        | 4        | 4        | 4-      | - -     |          |               | 105          |          | _        | _             |           |           | _        | $\dashv$ | 4        |          |
| <u></u>      | 6        | 1          | $\perp$  | _            | 4       | _        | ╄         | 1       | $oxed{oxed}$                        |             | 56       | Ш               | _        | _        | 4        | _        | 4       | -       | $\bot$   |               | 106          | _        |          | _             |           | 4         | $\dashv$ | +        | $\dashv$ | _        |
|              | 7        | <b>√</b>   |          | _            | 4       | _        | $\bot$    | 1       |                                     |             | 57       | Н               | -        | _        | 4        | 4        | -       |         | $\bot$   |               | 107          |          |          | -             | _         | -         | -        | $\dashv$ | $\dashv$ | _        |
| L            | 8        | <b>√</b>   | _        |              | 4       | _        | $\bot$    |         |                                     |             | 58       | $\vdash \vdash$ | -        | 4        | -        | 4        | -       | -       | +        |               | 108          | _        |          |               | -         | $\dashv$  | $\dashv$ | +        | 4        | _        |
|              | 9        | 1          | -        | _            | +       | -        | +         | 1       | $\vdash$                            |             | 59       | Н               | -        | -        | $\dashv$ | $\dashv$ | +       | - -     | +        |               | 109          |          |          |               |           | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |
|              | 10       | √          | $\dashv$ | +            | +       | +        | +         | +       |                                     |             | 60       | $\vdash \vdash$ | +        | -        | $\dashv$ | +        | - -     | +       | +        |               | 110          | _        | <u> </u> |               | -         | $\dashv$  | $\dashv$ | +        | $\dashv$ | $\dashv$ |
|              | 11       | 0          |          | +            | +       | +        | ╀         | +-      |                                     |             | 61       | $\vdash \vdash$ | -        | $\dashv$ | $\dashv$ | +        | -+-     | +       | +        |               | 111<br>112   | -        | $\vdash$ | $\dashv$      | $\dashv$  | $\dashv$  | $\dashv$ | +        | $\dashv$ | $\dashv$ |
| <u> </u>     | 12       | 1          | -        | +            | +       | +        | +         | +       | -                                   |             | 62       | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |          |         | +       | +        |               | 113          | -        |          | -             | $\dashv$  | $\dashv$  | $\dashv$ | +        | -        | $\dashv$ |
| <u> </u>     | 13       | <b>∀</b>   | -        |              |         | +        | +         | +-      |                                     |             | 63<br>64 | $\vdash \vdash$ | $\dashv$ | $\dashv$ |          |          | +       | +       | +        |               | 114          | $\vdash$ | -        | $\dashv$      | $\dashv$  | $\dashv$  | $\dashv$ | +        | $\dashv$ | $\dashv$ |
| -            | 14<br>15 | √<br>√     | -        | +            | +       | +        | +         | +-      | -                                   |             | 65       | $\vdash \vdash$ | $\dashv$ | $\dashv$ | -+       | -+       |         | +       | +        |               | 115          |          | $\vdash$ | -             | -         | -         | $\dashv$ | +        | $\dashv$ | $\dashv$ |
| -            | 16       | 1          | -        | +            | ┰       | +        | +         | +       | $\vdash$                            |             | 66       | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +       | +       | +-       |               | 116          | $\vdash$ | $\vdash$ | -             | -         | $\dashv$  | $\dashv$ | +        | $\dashv$ | $\dashv$ |
| <u> </u>     | 17       | 7          | +        | +            | +       | +        | +         | +       | $\vdash$                            | <del></del> | 67       |                 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +       | +       | +        |               | 117          | $\vdash$ | $\vdash$ | $\dashv$      |           |           |          | +        | -+       | $\dashv$ |
|              | 18       | 1          | $\dashv$ | +            | +       | -+-      | ╁         | +-      |                                     |             | 68       |                 | -        |          | $\dashv$ | $\dashv$ | ╁       | +       | +        |               | 118          |          | $\dashv$ | $\overline{}$ |           | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |
| $\vdash$     | 19       | 1          |          | +            | +       | +        | +         | +       | -                                   |             | 69       |                 | -        | $\dashv$ | -+       | -+       |         | +       | +        |               | 119          | -        | -        | ᅱ             | $\neg$    | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |
| $\vdash$     | 20       | \ <u>`</u> |          | +            | +       | +        | +         | +       | -                                   |             | 70       | Н               | $\dashv$ | $\dashv$ | $\dashv$ |          |         | +       | +        |               | 120          | _        | -        | $\dashv$      |           | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|              | 21       | -          |          | +            | +       |          | ╁         | +       | -                                   |             | 71       | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | -        | +       |         | +        |               | 121          |          | -        | $\dashv$      |           | - 1       | 1        | $\dashv$ | $\dashv$ | $\dashv$ |
| -            | 22       |            |          | -            | $\pm$   | +        | +         | +       | $\vdash$                            |             | 72       |                 | $\dashv$ | $\dashv$ | 1        | +        | +       |         | +-       |               | 122          |          | -        |               | -         | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| -            | 23       |            |          | +            | $\pm$   | +        | +         | +       | $\vdash$                            |             | 73       | H               | $\neg$   | $\dashv$ | $\dashv$ | _        | +       |         | $\top$   |               | 123          |          |          |               | $\exists$ | 一         | 寸        | 十        | ヿ        | ⊣        |
|              | 24       | -          |          | +            |         | _        | ╁         | +       | _                                   |             | 74       |                 | $\neg$   | 十        | $\dashv$ | _        |         | +       | 1        |               | 124          |          | _        |               |           |           |          | 十        | 寸        | $\dashv$ |
|              | 25       | -          |          | +            | Ŧ       | <u> </u> | $\dagger$ | T       |                                     |             | 75       |                 | $\neg$   | 寸        | 寸        | 十        | -       |         |          |               | 125          |          |          |               |           | T         | 一        | $\dashv$ | 寸        | $\dashv$ |
|              | 26       | _          | _        | $\top$       | $\top$  | $\dashv$ | $\top$    | $\top$  |                                     |             | 76       |                 | $\neg$   | 寸        | 寸        | 一        | ┪       | $\top$  |          |               | 126          |          |          |               |           | $\exists$ | $\neg$   | $\neg$   | ヿ        | $\neg$   |
|              | 27       |            |          | $\top$       | T       |          | $\top$    | Τ       |                                     |             | 77       |                 |          |          |          | T        | $\top$  |         |          |               | 127          |          |          |               | ·         | $\neg$    | $\neg$   | $\neg$   | ヿ        |          |
|              | 28       |            |          | $\top$       | 7       |          | 1         | $\top$  |                                     |             | 78       |                 |          |          |          |          | T       |         |          |               | 128          |          |          |               |           | $\neg$    | $\neg$   | $\neg$   | コ        |          |
|              | 29       |            | $\neg$   | 7            |         |          | T         |         |                                     |             | 79       | П               |          |          |          | $\dashv$ | $\top$  |         |          |               | 129          |          |          |               |           |           |          | $\Box$   |          |          |
|              | 30       |            |          | T            | T       | $\neg$   | T         | T       | Г                                   |             | 80       | П               |          | $\neg$   |          | $\top$   |         |         |          |               | 130          |          |          |               |           |           |          |          |          |          |
|              | 31       |            |          |              | T       | $\neg$   | Τ         | $\top$  |                                     |             | 81       |                 |          |          |          | $\Box$   | Т       |         |          |               | 131          |          |          |               |           |           |          |          |          |          |
|              | 32       |            |          |              |         |          |           |         |                                     |             | 82       |                 |          |          |          |          | $\perp$ |         |          |               | 132          |          |          |               |           |           |          | $\perp$  | $\Box$   |          |
|              | 33       |            | $\prod$  | $oxed{oxed}$ |         |          |           |         |                                     |             | 83       |                 | $\Box$   | [        | _]       |          |         |         | L        |               | 133          |          | Ш        |               |           | $\perp$   | _        | $\dashv$ | _        |          |
|              | 34       |            |          | $\perp$      | $\perp$ |          |           | $\perp$ |                                     |             | 84       | Ш               | $\Box$   | _[       | $ \bot $ | $\perp$  | $\perp$ |         |          |               | 134          |          | Ш        |               |           |           | _]       | $\dashv$ | $\dashv$ |          |
| <u></u>      | 35       | Ш          | _        | $\perp$      | _ _     | $\perp$  | $\bot$    | $\perp$ | Щ                                   | <u> </u>    | 85       | Ш               |          | _        | $\perp$  | $\perp$  | $\perp$ | $\perp$ | 1        |               | 135          |          | Ш        |               |           | _         | _        | $\dashv$ | 4        |          |
| <u></u>      | 36       | $\Box$     | $\perp$  | $\perp$      | $\perp$ | _        | 1         | 1       | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>    | 86       | Ш               | _        | _        | $\dashv$ | _        |         | 4-      | 1_       |               | 136          |          | Ш        |               |           | _         | _        | 4        | _        | _        |
|              | 37       |            | $\perp$  | _ _          | 4       | $\bot$   | 1         | 1       | _                                   | <u> </u>    | 87       | $\sqcup$        | $\Box$   | _        | _        | 4        | $\bot$  | _       |          |               | 137          |          | $\sqcup$ |               |           | _         | _        | $\dashv$ |          | _        |
| <u></u>      | 38       | <u> </u>   | _        | 4            | +       | $\bot$   | +         | $\perp$ |                                     |             | 88       |                 | _        | _        | _        | 4        | 4       | 4       | +        |               | 138          |          | Н        |               |           | _         | $\dashv$ | +        | $\dashv$ | _        |
| <u> </u>     | 39       | <u> </u>   | -        | 4            |         | +        | +         | ╄       | _                                   | <u> </u>    | 89       | $\vdash$        | 4        | 4        | -        | -        | +       | - -     | -        |               | 139          |          | Н        |               |           | _         | $\dashv$ | +        | $\dashv$ | _        |
| <u> </u>     | 40       | <u> </u>   | $\dashv$ | +            | +       | +        | +         | +       | $\vdash$                            |             | 90       |                 |          |          | -        | -        | +       | +-      | +-       |               | 140          |          | Н        | $\dashv$      | $\vdash$  | $\dashv$  | $\dashv$ | +        | -        | _        |
|              | 41       | $\vdash$   | $\dashv$ | +            | +       | +        | +         | +-      |                                     |             | 91       | $\vdash$        | _        | -        | -+       | $\dashv$ | +       | +       | +        |               | 141          |          | Н        | $\vdash$      |           | $\dashv$  | $\dashv$ | +        | $\dashv$ | _        |
|              | 42       | $\vdash$   | +        | +            | +       | +        | +-        | +-      | <del> </del>                        |             | 92       |                 | $\dashv$ | -        | -        | $\dashv$ | +       | +       | +        | <del>  </del> | 142<br>143   | -        | Н        |               |           | -         |          | +        | $\dashv$ | _        |
| <u> </u>     | 43       | $\vdash$   | +        | +            | +       | +        | +         | +       | $\vdash$                            |             | 93<br>94 | -               | $\dashv$ |          | -        | -+       | +       | +       | +        |               | 143          |          | Н        |               | $\vdash$  | $\dashv$  | $\dashv$ | +        | $\dashv$ | _        |
| <u> </u>     | 44<br>45 |            | $\dashv$ | +            | +       | +        | +         | +       | -                                   | <b></b>     | 95       | $\vdash$        | -        | -+       | $\dashv$ | +        | +       | +       | +        |               | 145          |          | Н        | $\vdash$      | -         | -         | -1       | $\dashv$ | $\dashv$ | _        |
| -            | 45       | -          | +        | $\dashv$     | +       | -        | ╁         | +       | $\vdash$                            | $\vdash$    | 96       | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +       | +       | +        |               | 146          | $\vdash$ | Н        | -             | $\vdash$  | -         | +        | $\dashv$ | $\dashv$ | _        |
| $\vdash$     | 46       | Н          |          | - -          | +       | +        | +         | +       |                                     | <u> </u>    | 97       | $\vdash$        | $\dashv$ | $\dashv$ | +        | $\dashv$ | +       | +       | +        |               | 147          | $\vdash$ | Н        | $\dashv$      |           | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ |          |
| <u> </u>     | 48       | $\vdash$   | +        | +            | +       | +        | +         | +       |                                     | -           | 98       | $\vdash$        | -        | $\dashv$ | +        | $\dashv$ | +       | +       | +        |               | 148          |          | Н        | -             | -         | -         | -        | $\dashv$ | $\dashv$ | _        |
| -            | 49       | $\vdash$   | $\dashv$ | +            | ┰       | +        | +         | +       | $\vdash$                            | $\vdash$    | 99       | H               | -        | -        | $\dashv$ | $\dashv$ | +       | +       | $\vdash$ |               | 149          | -        | $\vdash$ | $\dashv$      | $\dashv$  | $\dashv$  | ┪        | +        | $\dashv$ | $\dashv$ |
| <del> </del> | 50       | Н          | +        | +            | +       | +        | +         | +       | $\vdash$                            | <u> </u>    | 100      | $\vdash$        | +        | $\dashv$ | $\dashv$ | $\dashv$ | +       | +       | +        |               | 150          | -        | $\vdash$ |               |           | $\dashv$  | $\dashv$ | +        | $\dashv$ | $\dashv$ |
|              | JU       | ட          |          |              |         |          |           |         | _                                   | <br>        | 130      |                 |          | 1        |          |          | L_      |         |          |               |              | -        | لب       |               |           |           |          | ᅩ        | _        |          |